

## ABSTRACT:

The invention relates to an interactive packet transmission system of the TDMA type with a return channel between terminals and a network head. The invention proposes a method of recovering the first packet transmitted by a terminal for connection to the system, in accordance with which the transmitted data are searched by performing successive correlations in variable computing windows along the received packet by using a known header. The correlation computations are solely performed on the optimal oversamples, while the estimation of the initial sampling instant is previously effected for each window considered.

Application: Packet transmission systems of the TDMA type with a return channel, standard DVB-RCS.

Reference: Fig. 2